RAW SEQUENCE LISTING

ENTERED

(1) GENERAL INFORMATION:
    (i) APPLICANT: BROW, MARY ANN D.
               LYAMICHEV, VICTOR I.
               OLIVE, DAVID M.
    (ii) TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
                           PATHOGENS
   (iii) NUMBER OF SEQUENCES: 165
    (iv) CORRESPONDENCE ADDRESS:
        (A) ADDRESSEE: MEDLEN & CARROLL
        (B) STREET: 220 MONTGOMERY STREET, SUITE 2200
        (C) CITY: SAN FRANCISCO
        (D) STATE: CALIFORNIA
        (E) COUNTRY: UNITED STATES OF AMERICA
        (F) ZIP: 94104
    (v) COMPUTER READABLE FORM:
        (A) MEDIUM TYPE: Floppy disk
        (B) COMPUTER: IBM PC compatible
        (C) OPERATING SYSTEM: PC-DOS/MS-DOS
        (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

    (vi)   CURRENT APPLICATION DATA:
       (A)   APPLICATION NUMBER:09660924
       (B)   FILING DATE: 2000-09-13
       (A)   APPLICATION NUMBER:09660924
       (B)   FILING DATE: 2000-09-13
       (C)   CLASSIFICATION: <Unknown>

    (vii)   PRIOR APPLICATION DATA:

    (A)   APPLICATION NUMBER: 08520946

    (B)   FILING DATE: 1995-08-30

       (A)   APPLICATION NUMBER: US/08/520,946A
       (B)   FILING DATE: 30-Aug-1995
   (viii) ATTORNEY/AGENT INFORMATION:
        (A) NAME: CARROLL, PETER G.
        (B) REGISTRATION NUMBER: 32,837
    (ix) TELECOMMUNICATION INFORMATION:
        (A) TELEPHONE: (415) 705-8410
        (B) TELEFAX: (415) 397-8338

(2) INFORMATION FOR SEQ ID NO: 1:
    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 2506 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: double
        (D) TOPOLOGY: linear
    (ii) MOLECULE TYPE: DNA (genomic)
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
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(2) INFORMATION FOR SEQ ID NO: 2:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 2496 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: double
          (D) TOPOLOGY: linear
     (ii) MOLECULE TYPE: DNA (genomic)
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
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(2) INFORMATION FOR SEQ ID NO: 3:
        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 2504 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: double
            (D) TOPOLOGY: linear
       (ii) MOLECULE TYPE: DNA (genomic)
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
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